

# Marek Cebecauer

## List of Publications by Year in descending order

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49  
papers

2,241  
citations

304743

22  
h-index

223800

46  
g-index

57  
all docs

57  
docs citations

57  
times ranked

3718  
citing authors

#	ARTICLE	IF	CITATIONS
1	GPI-microdomains: a role in signalling via immunoreceptors. <i>Trends in Immunology</i> , 1999, 20, 356-361.	7.5	253
2	Altered NKG2D function in NK cells induced by chronic exposure to NKG2D ligand-expressing tumor cells. <i>Blood</i> , 2005, 106, 1711-1717.	1.4	200
3	Arginine-rich cell-penetrating peptides induce membrane multilamellarity and subsequently enter via formation of a fusion pore. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 11923-11928.	7.1	168
4	Membrane Lipid Nanodomains. <i>Chemical Reviews</i> , 2018, 118, 11259-11297.	47.7	152
5	There Is No Simple Model of the Plasma Membrane Organization. <i>Frontiers in Cell and Developmental Biology</i> , 2016, 4, 106.	3.7	139
6	Signalling complexes and clusters: functional advantages and methodological hurdles. <i>Journal of Cell Science</i> , 2010, 123, 309-320.	2.0	116
7	A Rotational BODIPY Nucleotide: An Environment-Sensitive Fluorescence-Lifetime Probe for DNA Interactions and Applications in Live-Cell Microscopy. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 174-178.	13.8	103
8	Activation of the Hedgehog signaling pathway in T-lineage cells inhibits TCR repertoire selection in the thymus and peripheral T-cell activation. <i>Blood</i> , 2007, 109, 3757-3766.	1.4	78
9	High plasma membrane lipid order imaged at the immunological synapse periphery in live T cells. <i>Molecular Membrane Biology</i> , 2010, 27, 178-189.	2.0	73
10	Signal transduction in leucocytes via GPI-anchored proteins: an experimental artefact or an aspect of immunoreceptor function?. <i>Immunology Letters</i> , 1998, 63, 63-73.	2.5	71
11	The $\beta$ 1 and $\beta$ 3 Integrins Promote T Cell Receptor-mediated Cytotoxic T Lymphocyte Activation. <i>Journal of Biological Chemistry</i> , 2003, 278, 26983-26991.	3.4	59
12	The N Terminus of Mannose 6-Phosphate/Insulin-like Growth Factor 2 Receptor in Regulation of Fibrinolysis and Cell Migration. <i>Journal of Biological Chemistry</i> , 2002, 277, 40575-40582.	3.4	55
13	Dynamics and Size of Cross-Linking-Induced Lipid Nanodomains in Model Membranes. <i>Biophysical Journal</i> , 2012, 102, 2104-2113.	0.5	55
14	Soluble MHC-Peptide Complexes Induce Rapid Death of CD8+ CTL. <i>Journal of Immunology</i> , 2005, 174, 6809-6819.	0.8	53
15	CD8+ Cytotoxic T Lymphocyte Activation by Soluble Major Histocompatibility Complex-Peptide Dimers. <i>Journal of Biological Chemistry</i> , 2005, 280, 23820-23828.	3.4	49
16	Quantifying protein densities on cell membranes using super-resolution optical fluctuation imaging. <i>Nature Communications</i> , 2017, 8, 1731.	12.8	43
17	Impact of GM1 on Membrane-Mediated Aggregation/Oligomerization of $\beta$ -Amyloid: Unifying View. <i>Biophysical Journal</i> , 2017, 113, 1194-1199.	0.5	40
18	Dual Role of CD4 in Peripheral T Lymphocytes. <i>Frontiers in Immunology</i> , 2019, 10, 618.	4.8	35

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19	Mass spectrometric analysis of the glycosphingolipid-enriched microdomains of rat natural killer cells. <i>Proteomics</i> , 2005, 5, 113-122.	2.2	31
20	Incorporation of Leucocyte GPI-Anchored Proteins and Protein Tyrosine Kinases into Lipid-Rich Membrane Domains of COS-7 Cells. <i>Biochemical and Biophysical Research Communications</i> , 1998, 243, 706-710.	2.1	24
21	Peripheral and Integral Membrane Binding of Peptides Characterized by Time-Dependent Fluorescence Shifts: Focus on Antimicrobial Peptide LAH <sub>4</sub> . <i>Langmuir</i> , 2014, 30, 6171-6179.	3.5	24
22	DHHC2 is a protein<i>S</i>-acyltransferase for Lck. <i>Molecular Membrane Biology</i> , 2011, 28, 473-486.	2.0	23
23	Soluble MHC-Peptide Complexes Containing Long Rigid Linkers Abolish CTL-Mediated Cytotoxicity. <i>Journal of Immunology</i> , 2006, 176, 3356-3365.	0.8	21
24	Dynamic organization of lymphocyte plasma membrane: lessons from advanced imaging methods. <i>Immunology</i> , 2010, 131, 1-8.	4.4	20
25	The role of palmitoylation and transmembrane domain in sorting of transmembrane adaptor proteins. <i>Journal of Cell Science</i> , 2016, 129, 95-107.	2.0	20
26	Di- and tri-oxalkyl derivatives of a boron dipyrromethene (BODIPY) rotor dye in lipid bilayers. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 10688-10697.	2.8	19
27	Proton-Gradient-Driven Oriented Motion of Nanodiamonds Grafted to Graphene by Dynamic Covalent Bonds. <i>ACS Nano</i> , 2018, 12, 7141-7147.	14.6	17
28	Human Leukocytes Contain a Large Pool of Free Forms of CD18. <i>Biochemical and Biophysical Research Communications</i> , 2000, 275, 295-299.	2.1	16
29	Roughness of Transmembrane Helices Reduces Lipid Membrane Dynamics. <i>IScience</i> , 2018, 10, 87-97.	4.1	14
30	Lipid order and molecular assemblies in the plasma membrane of eukaryotic cells. <i>Biochemical Society Transactions</i> , 2009, 37, 1056-1060.	3.4	11
31	Evaluation of lipid peroxidation by the analysis of volatile aldehydes in the headspace of synthetic membranes using selected ion flow tube mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2018, 32, 1617-1628.	1.5	11
32	Oligomeric Architecture of Mouse Activating Nkrp1 Receptors on Living Cells. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1884.	4.1	11
33	Role of Lipids in Morphogenesis of T-Cell Microvilli. <i>Frontiers in Immunology</i> , 2021, 12, 613591.	4.8	10
34	Expression and Localization of A $\beta$ PP in SH-SY5Y Cells Depends on Differentiation State. <i>Journal of Alzheimer's Disease</i> , 2021, 82, 485-491.	2.6	9
35	CD8 Binding of MHC-Peptide Complexes in cis or trans Regulates CD8+ T-cell Responses. <i>Journal of Molecular Biology</i> , 2019, 431, 4941-4958.	4.2	7
36	CDw149 antibodies recognize a clustered subset of CD47 molecules associated with cytoplasmic signaling molecules. <i>Tissue Antigens</i> , 2000, 56, 258-267.	1.0	6

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37	The role of prolines and glycine in the transmembrane domain of LAT. FEBS Journal, 2021, 288, 4039-4052.	4.7	6
38	Approach to map nanotopography of cell surface receptors. Communications Biology, 2022, 5, 218.	4.4	6
39	Phenotypic Effects of CD3 $\zeta$ Targeting into Glycosphingolipid-Enriched Membrane Microdomains (GEMs) of T Cells. Biochemical and Biophysical Research Communications, 2000, 271, 589-595.	2.1	5
40	Advanced Imaging of Cellular Signaling Events. Methods in Enzymology, 2012, 505, 273-289.	1.0	4
41	Effect of phagocytosis of pHEMA particles and of heat-killed <i>Candida albicans</i> on expression of carbohydrate-binding sites such as endogenous lectins in phagocytes. Biomaterials, 1996, 17, 741-744.	11.4	3
42	Editorial: Molecular Organization of Membranes: Where Biology Meets Biophysics. Frontiers in Cell and Developmental Biology, 2017, 5, 113.	3.7	2
43	Motif orientation matters: Structural characterization of TEAD1 recognition of genomic DNA. Structure, 2021, 29, 345-356.e8.	3.3	2
44	Introduction: Membrane Properties (Good) for Life. Methods in Molecular Biology, 2015, 1232, 7-17.	0.9	2
45	Lipids and proteins in membranes: Fromin silicotoin vivo. Molecular Membrane Biology, 2012, 29, 115-117.	2.0	1
46	Surface Roughness and Palmitoylation of Transmembrane Helices Influence Membrane Structure and Dynamics. Biophysical Journal, 2019, 116, 89a.	0.5	1
47	Reversible Lectin Binding to Glycan-Functionalized Graphene. International Journal of Molecular Sciences, 2021, 22, 6661.	4.1	1
48	Dynamics and Size of Crosslinking-Induced Lipid Nanodomains in Model Membranes. Biophysical Journal, 2012, 102, 294a.	0.5	0
49	Lipophilic Fluorescent Probes: Guides to the Complexity of Lipid Membranes. , 2016, , 367-392.		0